#BaltimoreDataWeek 2022

Friday, July 22: Baltimore Data Day & Unconference

Baltimore Data ~~Day~~ WEEK

9:30-10:15 AM
State of Baltimore's Neighborhoods:
Introduction to Vital Signs 20 and the
Baltimore Community Change Project

Baltimore Data Week is made possible by our sponsors:

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About the Baltimore Neighborhood Indicators Alliance

Measuring Progress Towards a Better Quality of Life in Every Neighborhood

- Annual Release of *Vital Signs* "One-stop-shop" for *comprehensive* data indicators
  - Multiple topic areas
  - Longitudinal data (2000 – 2020)

- Member of the National Neighborhood Indicators Partnership at Urban Institute
  - Learning network of 30 cities focusing on *data democratization*
  - http://www.neighborhoodindicators.org

Meet the BNIA Team

- Seema Iyer, Director
- Cheryl Knott, Research Manager
- Logan Shertz, Research Analyst
- German Paredes, Developer
- Brittany McMullan, Real Estate Data Specialist
- Ashley Edwards, Civic Engagement and Communications

Which Indicators

We Heard From Communities

- Beginning in 2000 through a community-based outreach process

- Community Roundtables again in 2011 for the next decade

- Community perceptions on quality of life

Racial Diversity Index	Properties under foreclosure	Vacant and abandoned housing	Crime rates
Unemployment rate	High School Drop out rate	Dirty Streets and Alleys	Alternative Transportation Use
	Walk Score	Poverty Rate	

We Learn from Research

Number of Persons with Library Cards per 1,000 Residents, 2020

Rate:
- 75.0 - 159.1
- 159.2 - 214.9
- 215.0 - 265.0
- 265.1 - 330.5
- 330.6 - 415.1
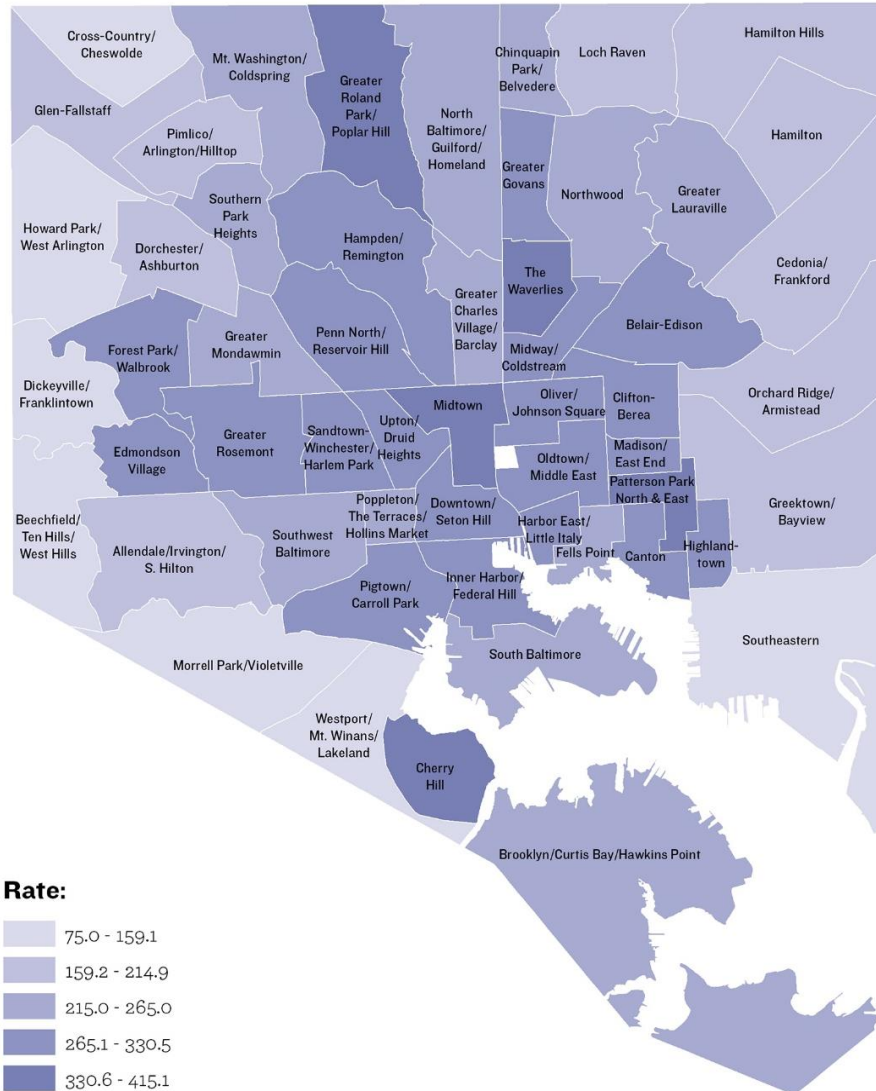
Map created by BNIA-JFI, 2022

Source: Enoch Pratt Free Library

Cash-Based Sales

Historic Property Tax Credit

Weatherized Homes

Library Membership Rate

Healthy Food Availability

Mortality Rates

We Work with Policy Groups

Percent of Households with No Vehicles Available, 2016-2020

Cross-Country/Cheswolde
Mt. Washington/Coldspring
Greater Roland Park/Poplar Hill
Glen-Fallstaff
Chinquapin Park/Belvedere
Loch Raven
Hamilton Hills
North Baltimore/Guilford/Homeland
Pimlico/Arlington/Hilltop
Hamilton
Southern Park Heights
Greater Govans
Northwood
Greater Lauraville
Howard Park/West Arlington
Dorchester/Ashburton
Hampden/Remington
Cedonia/Frankford
The Waverlies
Greater Charles Village/Barclay
Belair-Edison
Greater Mondawmin
Penn North/Reservoir Hill
Midway/Coldstream
Forest Park/Walbrook
Dickeyville/Franklintown
Midtown
Oliver/Johnson Square
Clifton-Berea
...ard Ridge/...istead
Greater Rosemont
Sandtown-Winchester/Harlem Park
Upton/Druid Heights
Madison/East End
Edmondson Village
Oldtown/Middle East
Patterson Park North & East
Greektown/Bayview
Poppleton/The Terraces/Hollins Market
Downtown/Seton Hill
Harbor East/Little Italy
Beechfield/Ten Hills/West Hills
Allendale/Irvington/S. Hilton
Southwest Baltimore
Fells Point
Canton
Highland-town
Pigtown/Carroll Park
Inner Harbor/Federal Hill
Morrell Park/Violetville
South Baltimore
Southeastern
Westport/Mt. Winans/Lakeland
Cherry Hill
Brooklyn/Curtis Bay/Hawkins Point

Percentage:
- 3.8% - 12.5%
- 12.6% - 22.3%
- 22.4% - 33.0%
- 33.1% - 45.1%
- 45.2% - 62.3%

Map created by BNIA-JFI, 2022

Source: American Community Survey

- Kindergarten Readiness
- % of Students Switching Schools
- Life expectancy
- Event Permits
- No-Vehicle Households
- Miles of Bike Lanes
- Tax Lien Sales

8

Veritable "Stethoscope" On Neighborhoods

Affordability Index - Rent

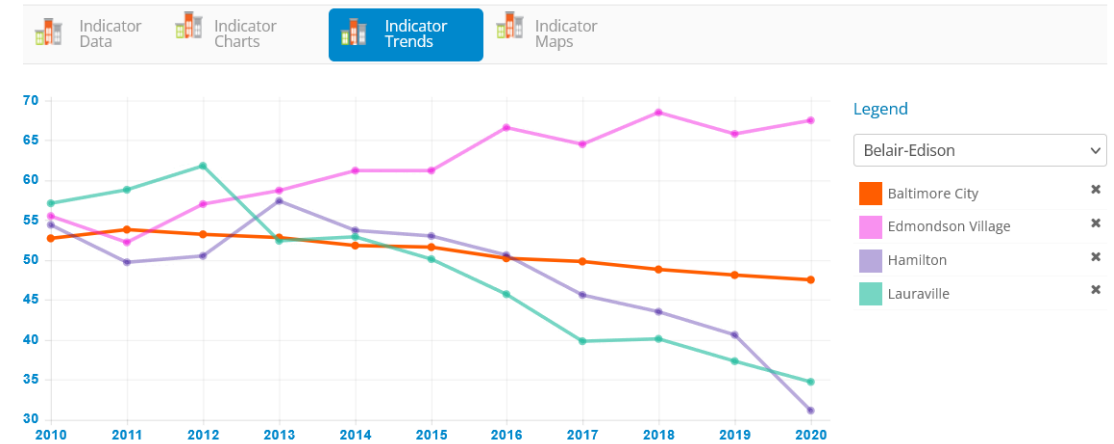2020

Topic Area: Housing And Community Development

Source: U.S. Census Bureau, American Community Survey

Years Available: 2010, 2011-2015, 2012-2016, 2013-2017, 2014-2018, 2015-2019

The percentage of households that pay more than 30% of their total household income on rent and related expenses out of all households in an area.

Legend

Belair-Edison

- Baltimore City ✕
- Edmondson Village ✕
- Hamilton ✕
- Lauraville ✕

Percentage of Residential Properties that are Vacant and Abandoned

2020

Topic Area: Housing And Community Development

Source: Baltimore City Department of Housing and Community Development

Years Available: 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

The percentage of residential properties that have been classified as being vacant and abandoned by the Baltimore City Department of Housing out of all properties. Properties are classified as being vacant and abandoned if: the property is not habitable and appears boarded up or open to the elements; the property was designated as being vacant prior to the current year and still remains vacant; and the property is a multi-family structure where all units are considered to be vacant.

Legend

Upton/Druid Heights

- Baltimore City ✕
- Oldtown/Middle East ✕
- Sandtown-Winchester/Harlem Park ✕
- Upton/Druid Heights ✕

Number of Gun-Related Homicides per 1,000 Residents
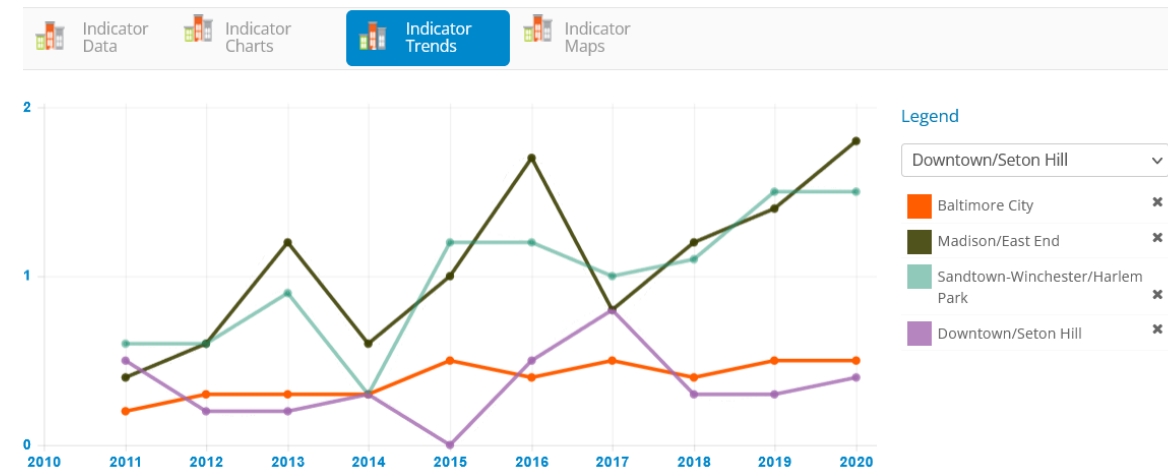
2020

Topic Area: Crime and Safety

Source: Baltimore City Police Department

Years Available: 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

The rate of homicides by firearm as reported in the Part 1 crime data per 1,000 residents in an area.

Legend

Downtown/Seton Hill

- Baltimore City ✕
- Madison/East End ✕
- Sandtown-Winchester/Harlem Park ✕
- Downtown/Seton Hill ✕

Baltimore Community Change Project 2010-2020
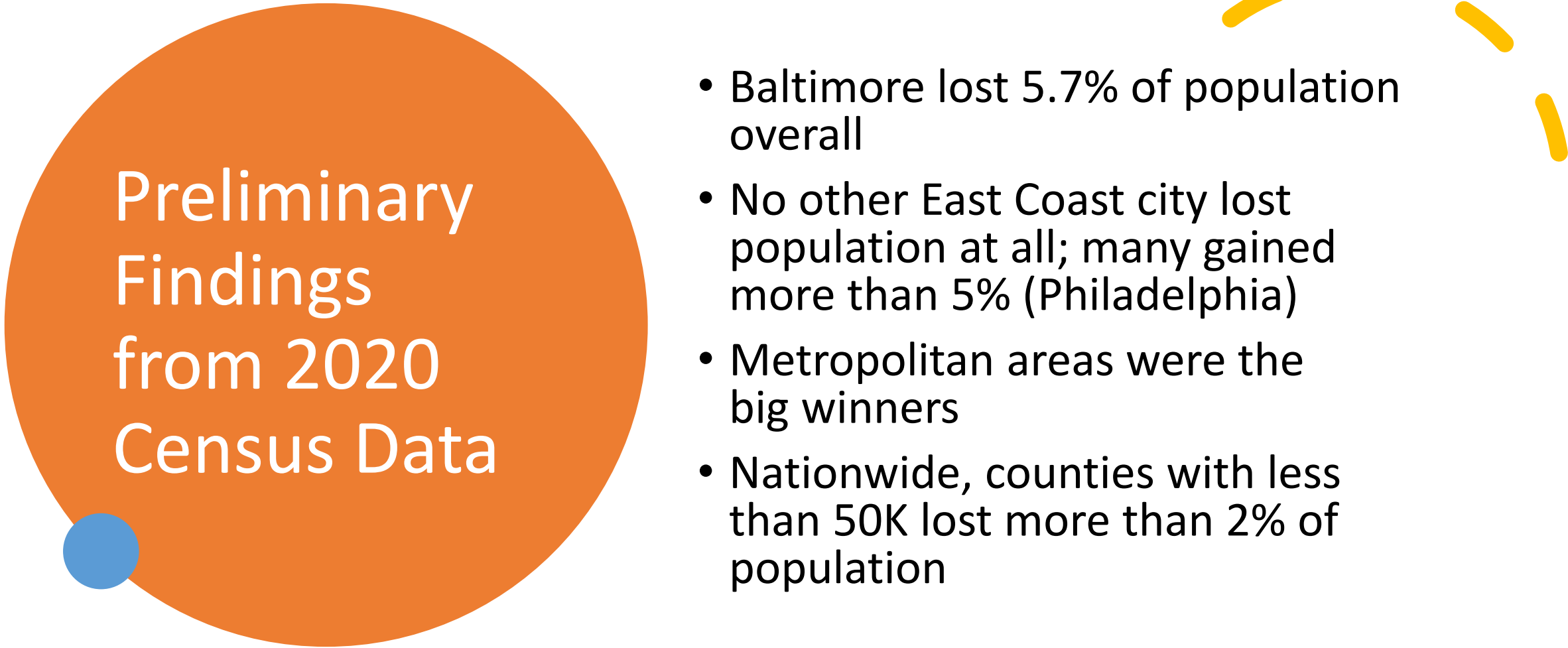
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Purpose of the Baltimore Community Change project

- **The work should empower us all to take action that will stop population loss and eliminate disparities in Balitmore**
- "Communities are our creative commons, human ecosystems that continually change" (Jane Jacobs). The <u>act of monitoring</u> and tracking this continual change is about <u>empowerment and learning</u>.

# Preliminary Findings from 2020 Census Data

- Baltimore lost 5.7% of population overall
- No other East Coast city lost population at all; many gained more than 5% (Philadelphia)
- Metropolitan areas were the big winners
- Nationwide, counties with less than 50K lost more than 2% of population

East Coast Cities

- New York: +7.7%
- Philadelphia: +5.1%
- Boston: +9.4%
- Washington DC: +14.6%
- Providence, RI: +7.2%
- Newark, NJ: +12.4%
- Richmond: +11.0%

Population Change by
Community Statistical Area, 2010-2020

Source: U.S. Census Bureau

Map created by BNIA-JFI, 2022
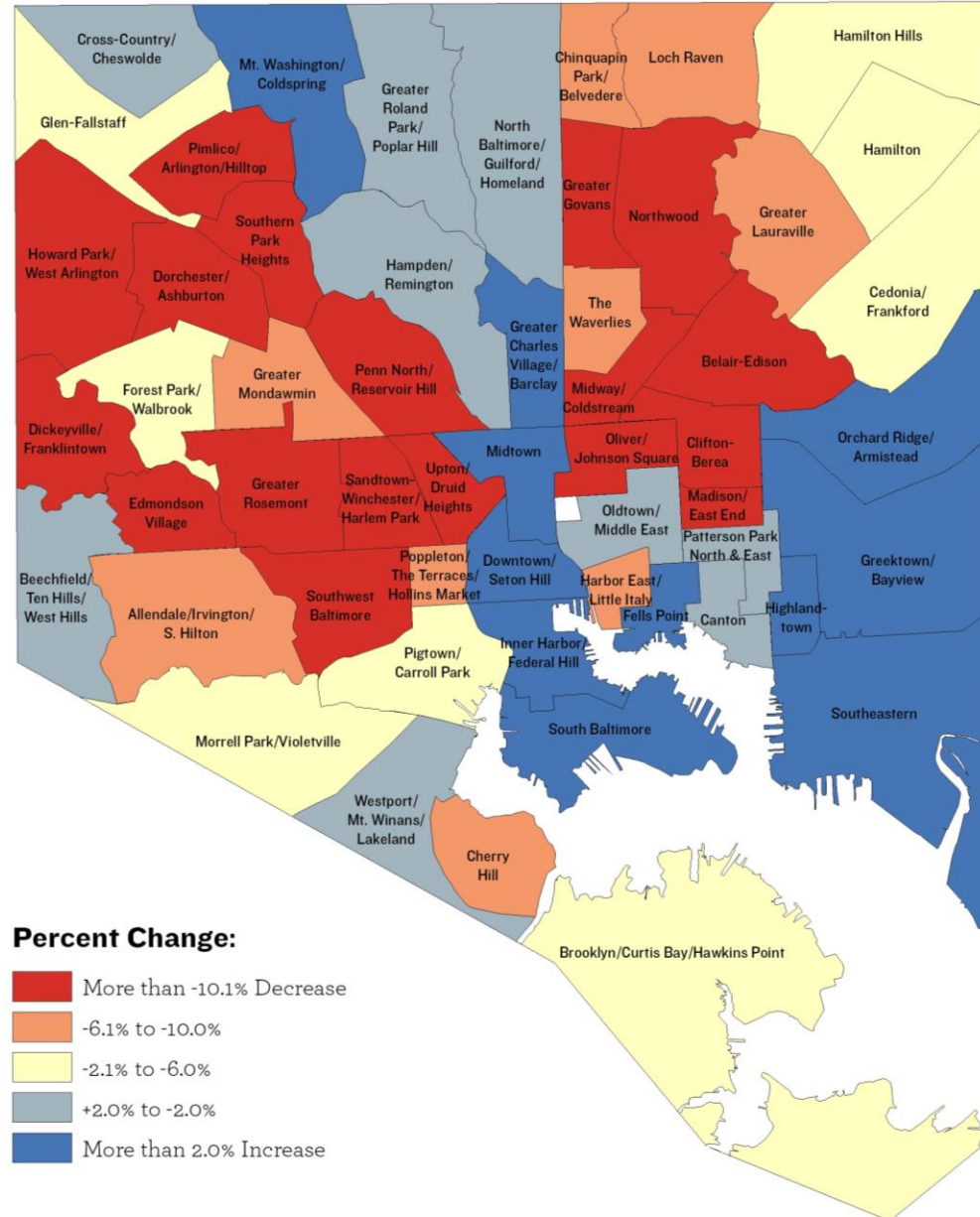
Enduring Divergence

- Same neighborhoods that grew in the last decade, grew again with very few exceptions.

- Cities and neighborhoods are realizing strong and predictable "network effects"
  - More (people, money, users, etc.) means exponentially more connections

- Neighborhoods that declined are isolated

  - Physically, digitally, socially, financially

- Disproportionately impacting existing neighborhoods of color
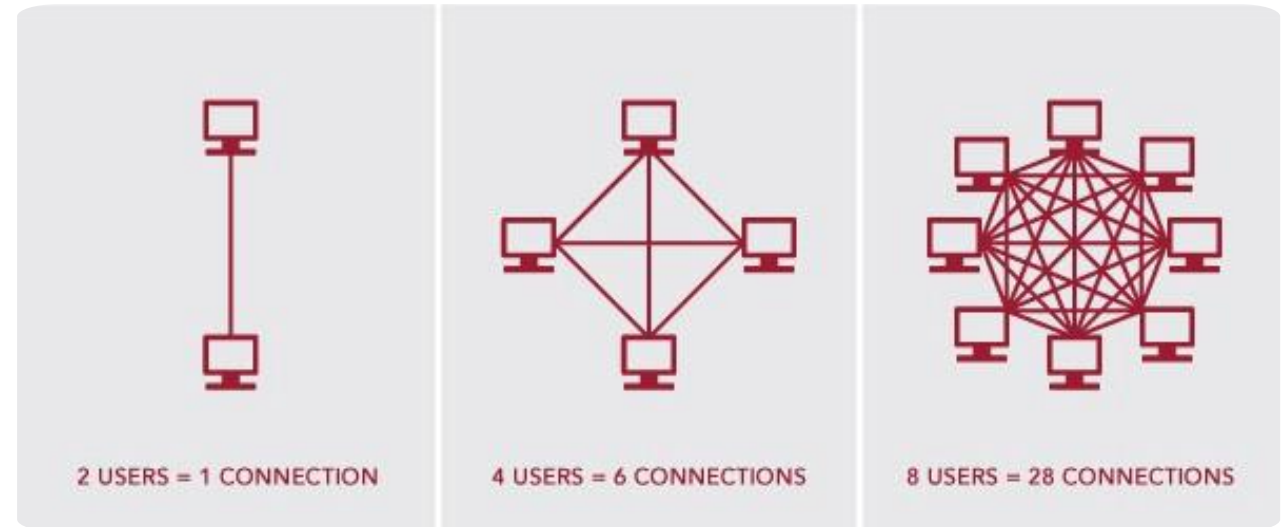
2 USERS = 1 CONNECTION   4 USERS = 6 CONNECTIONS   8 USERS = 28 CONNECTIONS

Enduring Divergence

- Urban Sociology—Enduring properties of neighborhoods

- Economics—Diverging forces of attraction

- Baltimore's Black Butterfly

- 4 Key Tenets of Neighborhood Change
  - Size (Balance) Matters
  - Ecosystems (Networks) Matter
  - Spillover (Interactions) Effects Matter
  - Black Neighborhoods Matter

Project Organization

ANALYZE   COMMUNICATE   ENGAGE
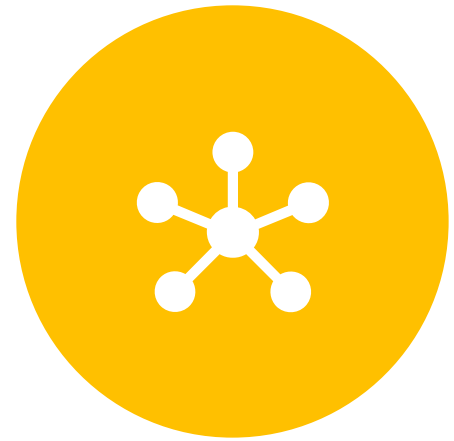
Thank You Community Change Students!
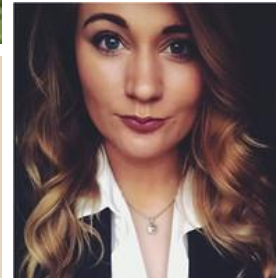
Analyze

Outline for each of the 6 reports

Issue Brief #1 *How Have Baltimore's Communities Changed by Population Size and Sociodemographics*

Issue Brief #2 *How Have Baltimore's Communities Ensured Housing Diversity for All*

Issue Brief #3 *How Have Baltimore's Communities Ensured Building Occupancy and Rehabilitation*

Issue Brief #4 *How Have Baltimore's Communities Increased Accessibility and Mobility*

Issue Brief #5 *How Have Baltimore's Communities Become More Connected*

Issue Brief #6 *How Have Baltimore's Communities Improved Quality of Life*

What Changed?

Preliminary Population Change by Community Statistical Area, 2010-2020

Percentage:
- More than 2.0% Increase
- +2.0% to -2.0%
- -2.1% to -6.0%
- -6.1% to -10.0%
- More than -10.1% Decrease
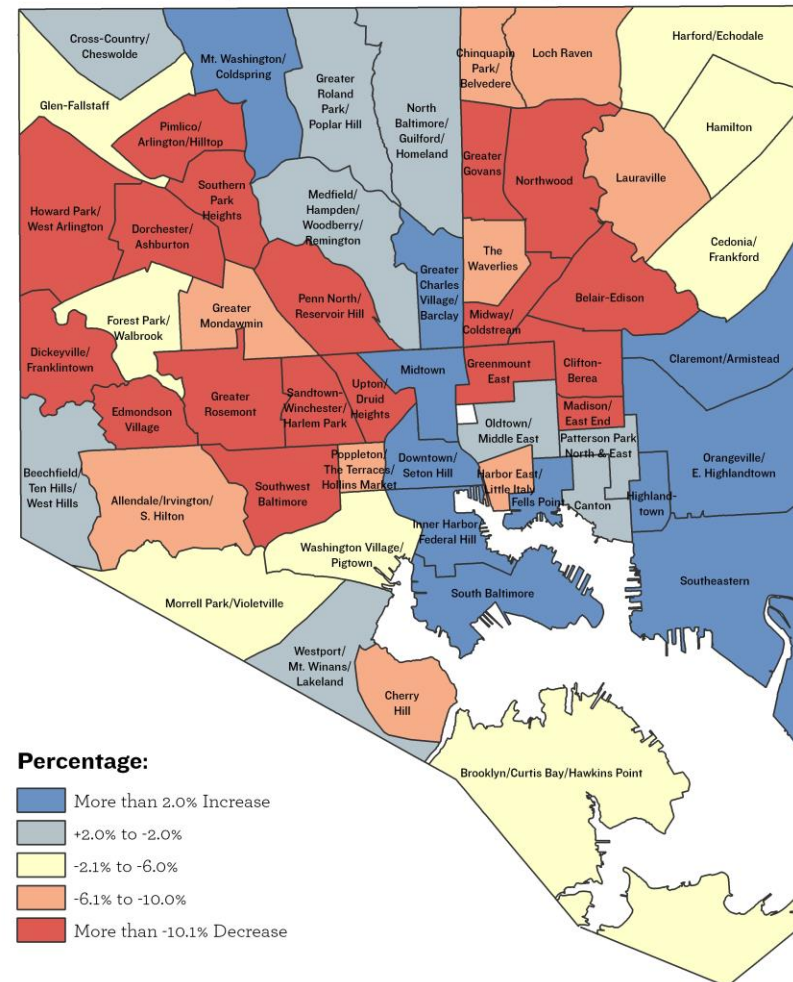
Map created by BNIA-JFI, August 12, 2021

Source: U.S. Census Bureau

Community Characteristics

Communities that Grew

- Percent Population 16-64 Employed

- Percent of Residents White/Caucasian (Non-Hispanic)

- Racial Diversity Index

- Median Price of Homes Sold

- Median Household Income

- Percent of Population 25-64 Years old

- Number of New Construction Permits per 1,000 Residential Properties

Communities that Declined

- Percent of Residents Black/African-American (Non-Hispanic)

- Unemployment Rate

- Percent of Residential Sales for Cash

- Percent Residential Properties that do not Receive Mail

- Percent of Households with No Internet at Home

- Percent Population 16-64 Not in Labor Force

- Percentage of Residential Properties that are Vacant and Abandoned

- Affordability Index - Rent

- Percent of Female-Headed Households with Children Under 18

- Percent of Family Households Living Below the Poverty Line

- Percent of Workers Traveling to Work over 45 minutes

How did Communities Change?

Growing Communities Changed

- Change in Percent Population (Over the Age of 18) Who Voted in the General Election
- Annual Change in Number of Students Officially Enrolled
- Percent Change of Residents - Black/African-American (Non-Hispanic)
- Change in Percent of Households with Children Under 18
- Change in Median Household Income

Declining Communities Changed

- Change in Number of Overdose Calls for Service per 1,000 Residents
- Change in Part 1 and Property Crime Rate per 1,000 Residents
- Change in Number of Persons with Library Cards per 1,000 Residents
- Change in Percent Residential Properties that do Not Receive Mail
- Change in Rate of Street Light Outages per 1,000 Residents
- Change in Number of Automobile Accident Calls for Service per 1,000 Residents

What Do We Have to Do?

Example of Data Answering Questions

Change in Percent of Residential Properties that are Vacant and Abandoned Vs. Average Number of Demolition Permits per 1,000 Residential Properties
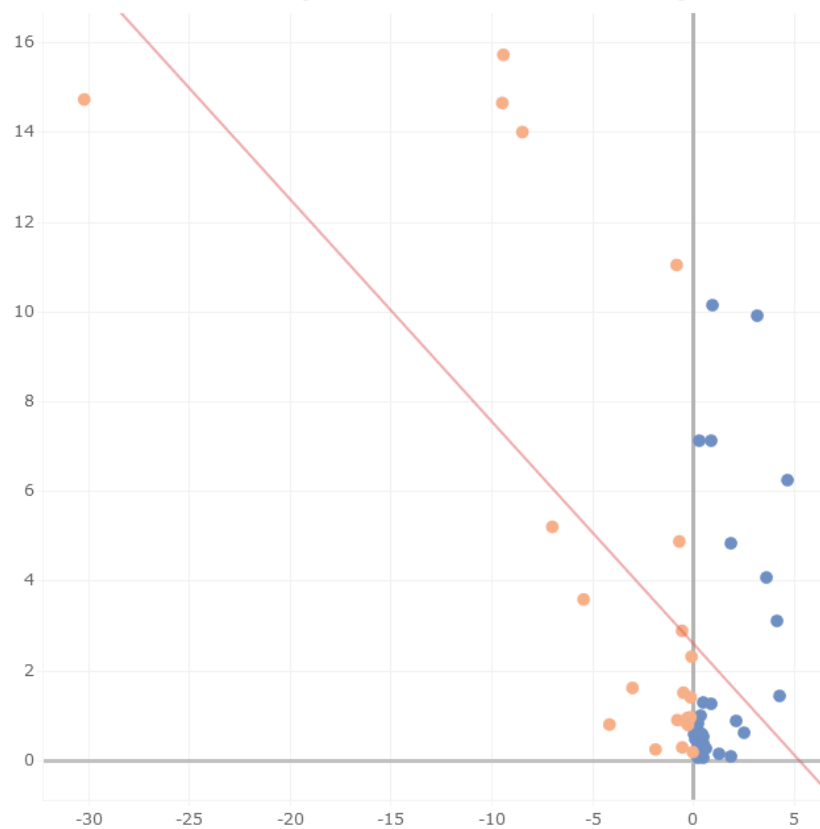
Change in Number of Gun-Related Homicides per 1,000 Residents Vs. Average Number of Demolition Permits per 1,000 Residential Properties
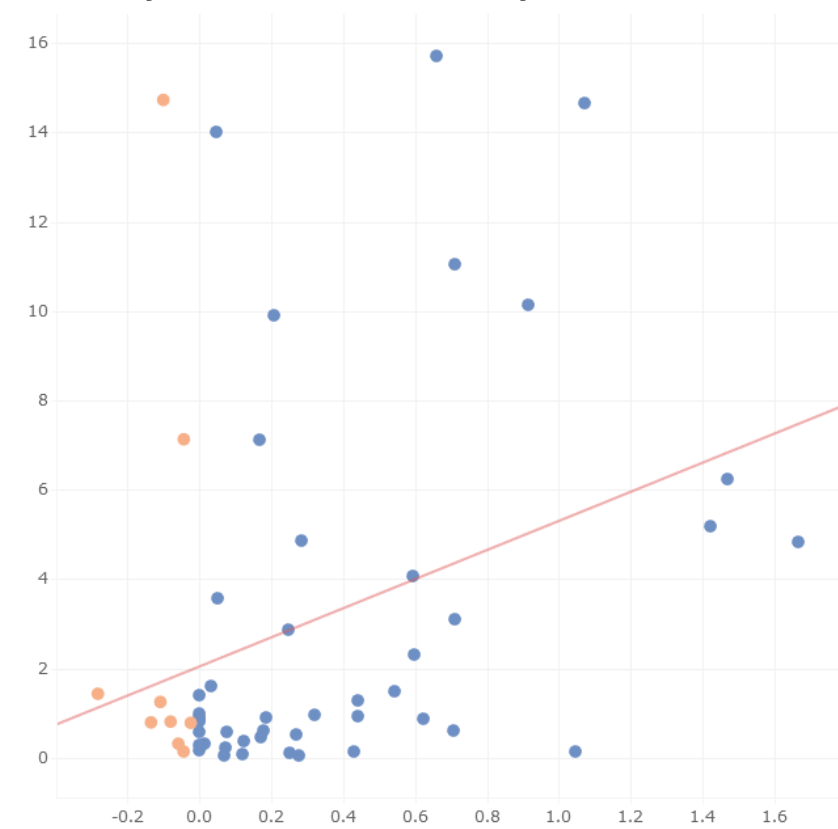
Reconnect Communities

Digitally

Physically

Socially

Financially

Civically

Communication

ArcGIS Data Hub

https://communitychange-bniajfi.hub.arcgis.com/

- ESRI Online StoryMaps for each research brief; open data

  - Embedded content from Tableau, Plotly

Tableau Change Database Worksheet Interactive by [Zachary Clayton](#)

Bar Graph | Top 5 | Top 5 Map | Bottom 5 | Bottom 5 Map | Bar Graph Dashboard | Scatter Plot | Scatterplot Dashboard | CSA Map | Vertical Bar Graph
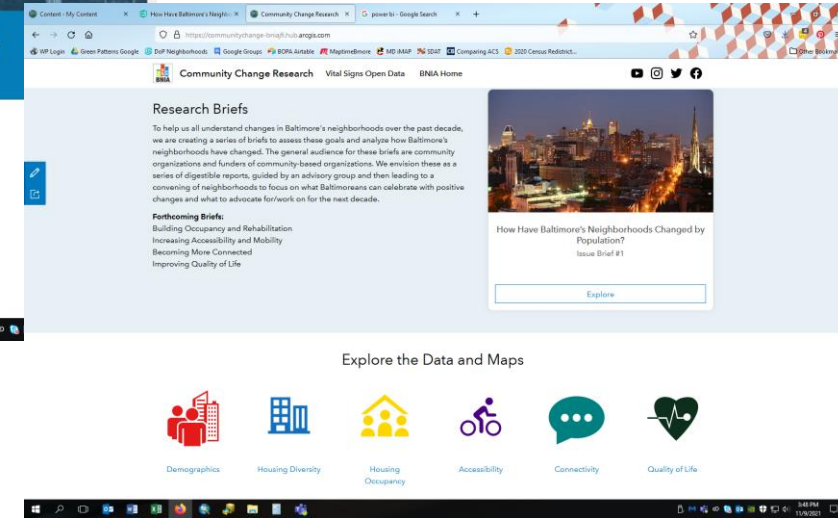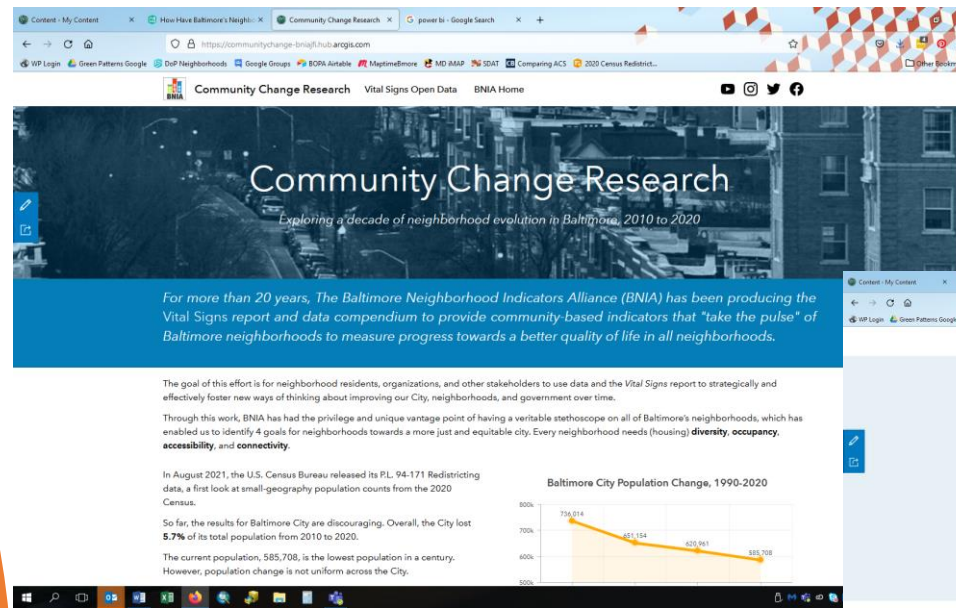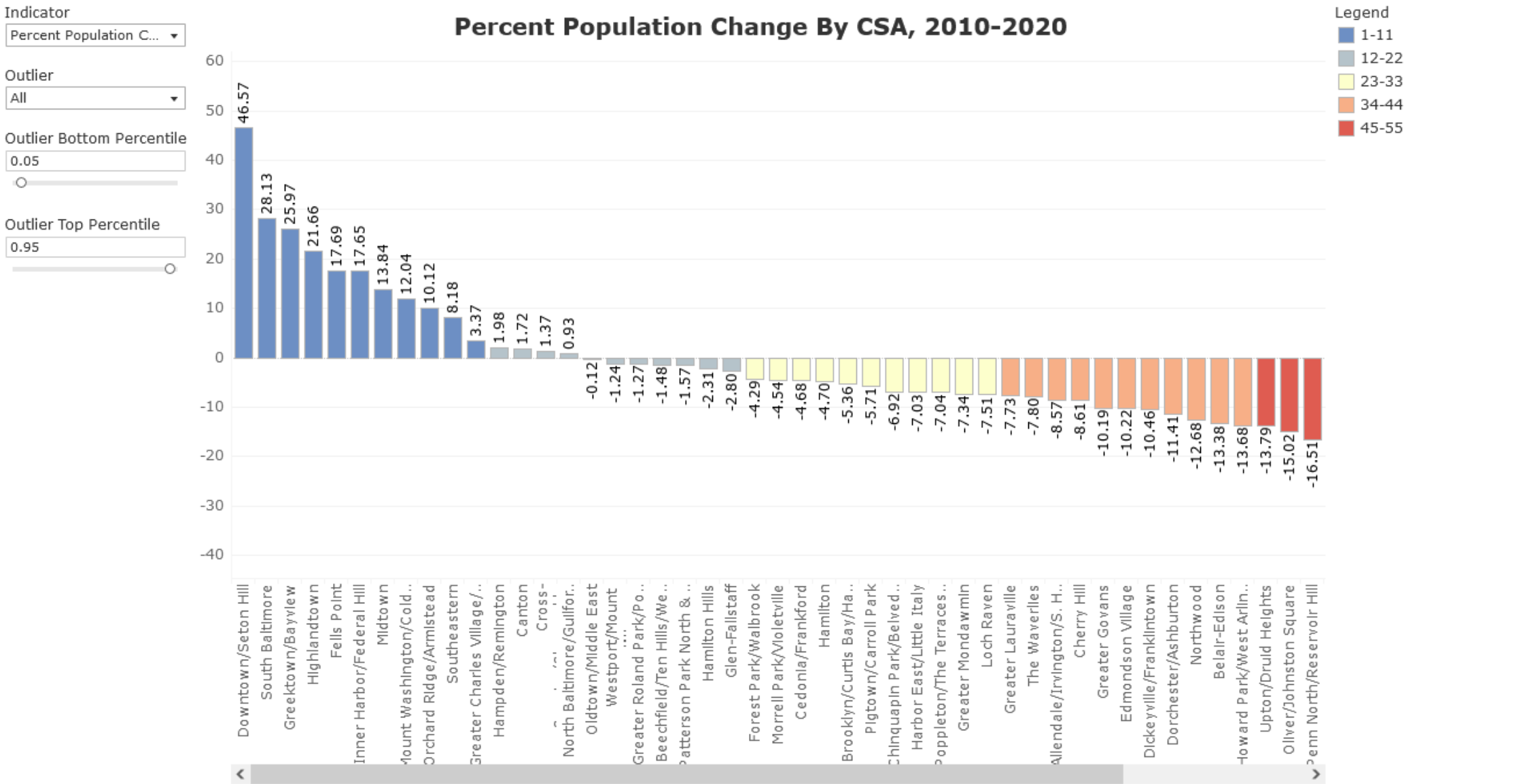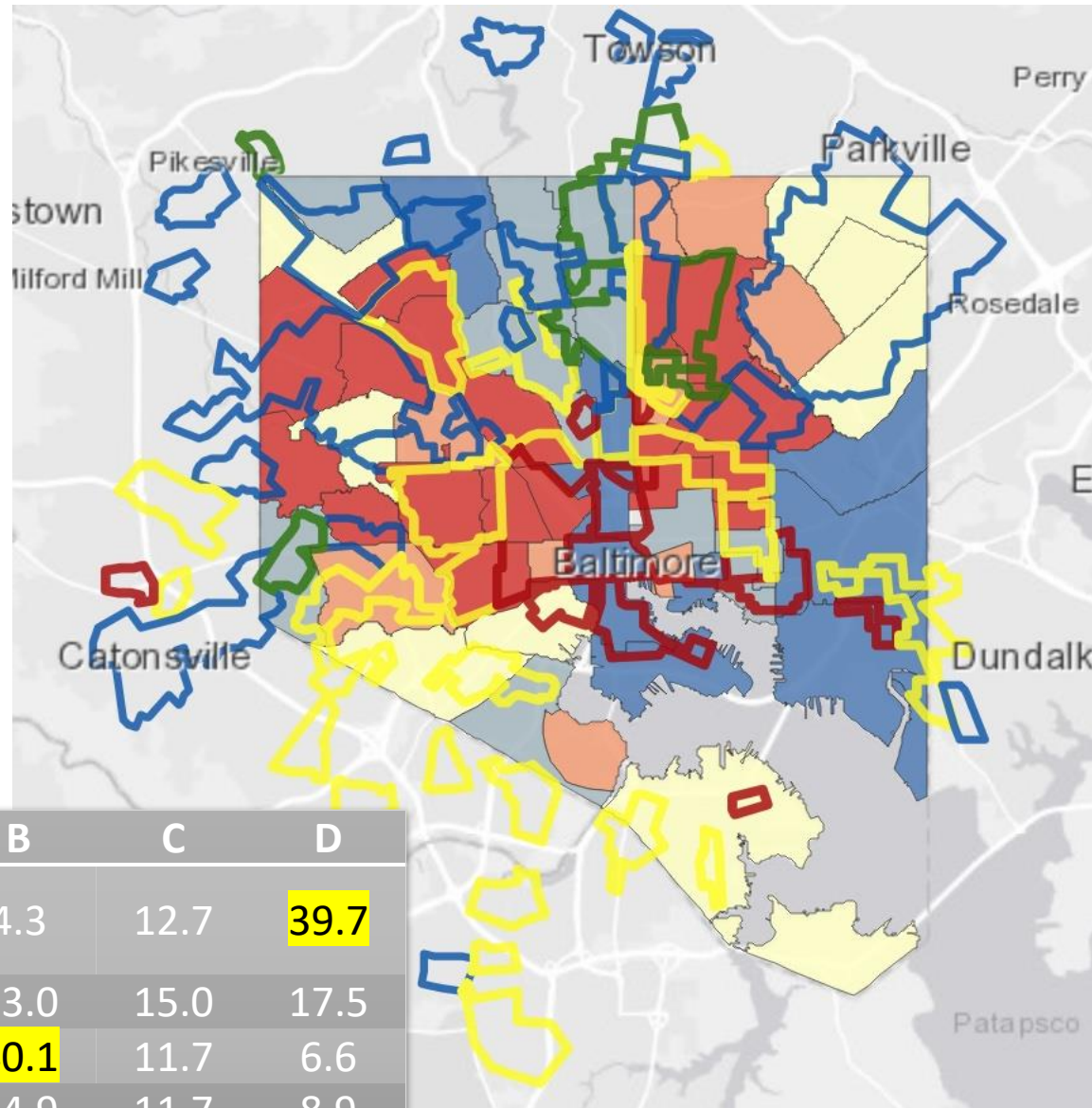
Indicator
Percent Population C... ▾

Outlier
All ▾

Outlier Bottom Percentile
0.05

Outlier Top Percentile
0.95

Percent Population Change By CSA, 2010-2020

Legend
- 1-11
- 12-22
- 23-33
- 34-44
- 45-55

CSA	Value
Downtown/Seton Hill	46.57
South Baltimore	28.13
Greektown/Bayview	25.97
Highlandtown	21.66
Fells Point	17.69
Inner Harbor/Federal Hill	17.65
Midtown	13.84
Mount Washington/Cold...	12.04
Orchard Ridge/Armistead	10.12
Southeastern	8.18
Greater Charles Village/...	3.37
Hampden/Remington	1.98
Canton	1.72
Cross-...	1.37
North Baltimore/Guilfor...	0.93
Oldtown/Middle East	-0.12
Westport/Mount...	-1.24
Greater Roland Park/Po...	-1.27
Beechfield/Ten Hills/We...	-1.48
Patterson Park North &...	-1.57
Hamilton Hills	-2.31
Glen-Fallstaff	-2.80
Forest Park/Walbrook	-4.29
Morrell Park/Violetville	-4.54
Cedonia/Frankford	-4.68
Hamilton	-4.70
Brooklyn/Curtis Bay/Ha...	-5.36
Pigtown/Carroll Park	-5.71
Chinquapin Park/Belved...	-6.92
Harbor East/Little Italy	-7.03
Poppleton/The Terraces...	-7.04
Greater Mondawmin	-7.34
Loch Raven	-7.51
Greater Lauraville	-7.73
The Waverlies	-7.80
Allendale/Irvington/S. H...	-8.57
Cherry Hill	-8.61
Greater Govans	-10.19
Edmondson Village	-10.22
Dickeyville/Franklintown	-10.46
Dorchester/Ashburton	-11.41
Northwood	-12.68
Belair-Edison	-13.38
Howard Park/West Arlin...	-13.68
Upton/Druid Heights	-13.79
Oliver/Johnston Square	-15.02
Penn North/Reservoir Hill	-16.51

+ableau

Legacy Effects of Development

Home Owners' Loan Corporation (HOLC) Redlining from Esri

- A (Best)
- B (Still Desirable)
- C (Declining)
- D (Hazardous)

Community Statistical Area Population Change, 2010-2020

Population Change 2010-2020

- More than 2.0% Increase
- +2.0% to -2.0%
- -2.1% to -6.0%
- -6.1% to -10.0%
- More than -10.1% Decrease

	A	B	C	D
More than a 2.0% Increase	1.3	4.3	12.7	39.7
+2.0% to -2.0%	61.3	13.0	15.0	17.5
-2.1% to -6.0%	0.0	40.1	11.7	6.6
-6.1% to -10.0%	5.6	14.9	11.7	8.9
More than -10.1% Decrease	31.8	27.7	49.0	27.2

Engage

What happened in your community in the last decade?

What events or developments happened in your community over the last 10 years? (Can submit more than 1 response)

Mentimeter

More vacants properties	Homeless encampments	More 21st century schools
More open space projects	More illegal dumping	Coppin State renovations
Working on a master plan for SWHP	Open air drug markets	City watch cameras

Community Change Summit

Collaboratively develop community-based solutions

Webinars with **Expert** Respondents

March **21-26, 2022**

Trained and Paid community facilitators

Neighborhood Trivia Nights in March

Community Connections

- Over 80 participants citywide

- 108 community solutions

- Lots of immediate issues:
  - Trash, homelessness, shootings

- Lots of concerns about transportation and housing

What Do Communities Want?

Stay Connected with Us

https://bniajfi.org/stay-connected/

Facebook.com/bniajfi

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Instagram.com/bniajfi

Email us at bnia-jfi@ubalt.edu

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Questions?

Seema D. Iyer, PhD

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